

Trans-Lake Washington Project Montlake Neighborhoods **Evaluation Results**

- Concept 1 Expanded Bridges
 - Neighborhood Connectivity
 - Could improve non-motorized movements across SR 520
 - Not serve as a strong neighborhood connection
 - Allow for additional landscaping and bike/pedestrian
 - Montlake transit stop could be upgraded
 - Aesthetics
 - · Could be designed to match the character of the neighborhood
 - Utilize noise barriers which would pose minor impacts



Trans-Lake Washington Project Montlake Neighborhoods **Evaluation Results**

- Concept 1 Expanded Bridges continued
 - Noise
 - Noise walls would likely be proposed for both sides of SR 520
 - Air Quality
 - No impact on the quantity of gaseous air emissions released from vehicle exhaust
 - Cost
 - Estimated at \$25 million



Trans-Lake Washington Project

Montlake Neighborhoods **Evaluation Results**

- Concept 2 Lids in Topographic Areas that Support Lidding
 - Neighborhood Connectivity
 - · Reestablish a small part of the visual connection with new open space
 - Physical link over the highway
 - Enhance Montlake Blvd. (i.e., street trees, bike/pedestrian trails, etc.)
 - Upgrade the Montlake transit stop
 - Presence of off-and on-ramps could preclude connections
 - Aesthetics
 - Block unattractive views of SR 520
 - · Lids provide a platform for landscaping



Trans-Lake Washington Project Montlake Neighborhoods **Evaluation Results**

- Concept 2 Lids in Topographic Areas that Support Lidding continued
 - Aesthetics continued
 - Could be designed as a gateway between S. Montlake area and the University
 - Tall walls at the lids' peripheries would block views and contrast with the character of the neighborhood
 - · Require a vent structure that would rise well above the lid surface
 - Noise
 - · Reduce noise levels near Montlake Blvd. overpass
 - Increase noise levels to the east and west of the lid due to reflected noise
 - Noise mitigation may include noise walls



Trans-Lake Washington Project Montlake Neighborhoods **Evaluation Results**

- Concept 2 Lids in Topographic Areas that Support Lidding continued
 - Noise continued
 - Noise reducing louvers or fan silencers would be used for mitigating ventilation fan noise
 - Air Quality
 - Similar to Concept 2 in the Eastlake/Portage Bay/Roanoke/North Capitol Hill
 - Cost
 - Estimated at \$110 million



Trans-Lake Washington Project Montlake Neighborhoods **Evaluation Results**

- Concept 3 Community Suggestions
 - Neighborhood Connectivity
 - Offer more space for the same type of benefits in Concept 2
 - Lid could protrude 20-60 feet higher than the existing grade is some areas
 - · Require large ventilation shafts, which could disrupt community connectivity
 - Aesthetics
 - Benefits similar to Concept 2
 - · High walls and ventilation shafts would cast shadows, block views, and contrast with the neighborhood



Trans-Lake Washington Project

Montlake Neighborhoods **Evaluation Results**

- Concept 3 Community Suggestions continued
 - Noise
 - Limited number of residual noise impacts
 - · Overall noise levels would be reduced
 - Noise mitigation may include noise walls
 - · Noise reducing louvers or fan silencers would be used for mitigating ventilation fan noise
 - Air Quality
 - Similar to Concept 3 in the Eastlake/Portage Bay/Roanoke/North Capitol Hill area
 - Cost
 - Estimated at \$340 million



Trans-Lake Washington Project

Evaluation Criteria

- Neighborhood Connectivity
 - Effectiveness of the community enhancement concepts in strengthening neighborhood connectivity
- Aesthetics
 - Maintain or enhance the visual environment
- Noise
 - · Noise reduction benefits, supplemental noise mitigation, & overall noise reduction
- Air Quality
 - · Maintain or enhance air quality
- Costs
 - Cost opinions for the community enhancement concepts



Trans-Lake Washington Project **Noise Impact** Comparison Summary

	1. Noise Impacts w/o Mitigation	2. Noise Impacts w/mitigation & w/o lids	3. Noise Impacts w/Lids & w/o Supplemental Mitigation	4. Noise Impacts w/Lids & Supplemental Mitigation	
Eastlake/Portage Ray/Roanoke/North Canitol Hill Neighborhoods					
Concept 1			0	0	
Concept 2			0	•	
Concept 3	0	0	0	•	
Montlake Neighborhoods					
Concept 1			0	•	
Concept 2			0	•	
Concept 3	0	•	0	•	
Lake Washington to West of I-405					
Concept 1a					
Concept 1b			0	0	
Concept 2a			0	•	
Concept 2h			0	•	
Concept 3	0	•	•	•	
East of I-405 to SR 202					
Concept 1			N/A	N/A	
Concept 2			N/A	N/A	
Concept 3	0	0	•	•	



Trans-Lake Washington Project Cost Summary Table

Fastlake/Portage Ray/Roanoke/North Capitol Hill Neighborhoods	
Concept 1 - Expanded Bridges	\$60 million
Concept 2 - Lids In Topographic Areas that Support Lidding	\$360 million
Concept 3 - Community Suggestions	\$500 million
Montlake Neighborhoods	
Concept 1 - Expanded Bridges	\$25 million
Concept 2 - Lids In Topographic Areas that Support Lidding	\$110 million
Concept 3 - Community Suggestions	\$340 million
Lake Washington to West of I-405	
Concept 1 - Expanded Bridges	
Evergreen Point Road Area	\$10 million
84 th Avenue NE Area	
Concept 1a	\$15 million and
Concept 1b	\$35 million
92 nd Avenue NE Area	
Concept 1a	\$20 million
Concept 1b	\$40 million.
Concept 2 - Lids In Topographic Areas that Support Lidding	
Evergreen Point Road Area	
Concept 2a	\$190 million
Concept 2b	\$350 million
84 th Avenue NE Area	
Concept 2a	\$370 million and
Concept 2b	\$510 million
92 nd Avenue NF. Area	
Concept 2a	\$160 million
Concept 2b	\$320 million.
Concent 3 - Community Suggestions	
\$2.2 billion	
Fast of L-405 to SR 202	
Concept 1 - Expanded Bridges	N/A
Concept 2 - Lids In Topographic Areas that Support Lidding	N/A
Concept 3 - Community Suggestions	
40 th Street	\$110 million
31 st Street	\$60 million